

Appl. No. : **Unknown**
Filed : **July 24, 2006**

AMENDMENTS TO THE SPECIFICATION

On Page 1, please add the subtitle as follows:

BACKGROUND OF THE INVENTION

1 Field of the Invention

The present invention relates to a grating image having one or more grating fields, each of which includes an electromagnetic radiation-influencing grating pattern comprising a plurality of grating lines, the grating lines being characterized by the parameters orientation, curvature, spacing and profile. The present invention further relates to a method for manufacturing such a grating image, as well as a security element, a security paper and a data carrier having such a grating image.

On Page 1, please add the subtitle as follows:

2 Description of the Prior Art

To ensure the authenticity of credit cards, banknotes and other value documents, holograms, holographic grating images and other hologram-like diffraction patterns have been used for several years. In general, in the field of banknotes and security, holographic diffraction patterns are used that can be manufactured by embossing holographically produced grating images in thermoplastically moldable plastics or UV-curing lacquers on foil substrates.

On Page 2, please add the subtitle as follows:

SUMMARY OF THE INVENTION

This object is solved by the grating image having the features of the main claim. A further grating image and a manufacturing method, as well as a security element, a security paper and a data carrier having such grating images are specified in the coordinated claims. Developments of the present invention are the subject of the dependent claims.

On Page 11, please add the subtitle as follows:

BRIEF DESCRIPTION OF THE DRAWINGS

Further embodiments and advantages of the present invention are described below with reference to the drawings. To improve clarity, a depiction to scale and proportion was dispensed with in the drawings.

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On Page 12, please add the subtitle as follows:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMEN

Fig. 1 shows a schematic diagram of a banknote 10 that exhibits two security elements according to the present invention, namely a security thread 12 and an affixed transfer element 16. The security thread 12 is formed as a window security thread that emerges at certain window areas 14 on the surface of the banknote 10, while it is embedded in the interior of the banknote 10 in the areas lying therebetween. Both security elements 12, 16 are furnished with grating images of the kind described below.